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PTO/SB/05 (11-00) Approved for use through 10/31/2002. OMB 0651-0032

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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UTILITY **PATENT APPLICATION TRANSMITTAL**

285-118 DIV Attorney Docket No. Todd M. Boyce et al. First Inventor OSTEOGENIC IMPLANTS DERIVED...

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| Fee Transmittal Form (e.g., PTO/SB/17) Fee Transmittal Form (e.g., PTO/SB/ | | | | | | | | |
| Computer Program (Appendix) | For Transmittal Form (o.g. DTO/SD/17) | | | | | | | |
| See 37 CFR 1.27. See 37 CFR 1.27. Total Pages 46 1 | 1. (Submit an original and a duplicate for fee processing) | | | Computer Program (Appendix) | | | | |
| a. □ Computer readable Form (CKF) - Descriptive title of the invention - Cross Reference to Related Applications - Statement Reparding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Summary of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure - Abstract of the Disclosure - Accompany in the Program (in the Program is the Statement Papers (cover sheet & document(s)) - Claim(s) - Abstract of the Disclosure - Accompany in the Program is the Statement Papers (cover sheet & document(s)) - Claim(s) - Abstract of the Disclosure - Accompany in the Papers (cover sheet & document(s)) - Claim(s) - Abstract of the Disclosure - Continuation December (if applicable) - Detailed Description - Claim(s) - Abstract of the Disclosure - Total Pages - Information Disclosure - Copy from a prior application (37 CFR 1.63 (d)) - Copy from a prior application (37 CFR 1.63 (d)) - Copy from a prior application (37 CFR 1.63 (d)) - Copy from a prior application (37 CFR 1.63 (d)) - Detailed Description December (iDS)/PTO-1449 - Information Disclosure - Copy from a prior application see 37 CFR - 1.33(d)(2) and 1.33(b) Application Data Sheet. See 37 CFR 1.76 - Application Data Sheet under 37 CFR 1.76: - Continuation December (iDS)/PTO-1449 - Continuation Data Sheet under 37 CFR 1.76: | | · · | | | | | Submission | |
| - Cross Reference to Related Applications - Statement Reparting Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Summary of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claims(s) - Abstract of the Disclosure - Drawing(s) (35 U.S.C. 113) | 3. Specification (preferred arrangement | | а | Compute | er Readable | Form (CRF) | | |
| - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Claim(s) - Abstract of the Disclosure - Continuation Discoure - Continuation (37 CFR 1.63 (d)) - Copy from a pilor application, 367 CFR 1.63 (d) - Copy from a pilor application, 367 CFR 1.63 (d) - Copy from a pilor application, 367 CFR 1.63 (d) - Copy from a pilor application, 367 CFR 1.63 (d) - Copy from a pilor application, 367 CFR 1.63 (d) - Copy from a pilor application, 367 CFR 1.63 (d) - Copy from a pilor application, 367 CFR 1.63 (d) - Copy from a pilor application, 367 CFR 1.63 (d) - Copy from a pilor application, 367 CFR 1.63 (d) - Copy from a pilor application, 367 CFR 1.63 (d) - Copy from application Data Sheet under 37 CFR 1.76 (d) - Copy from application Data Sheet under 37 CFR 1.76 (d) - Copy from application Data Sheet under 37 CFR 1.76 (d) - Copy from application Data Sheet | | | b | • | • | • | | |
| or a computer program listing appendix Background of the Invention Brief Summary of the Invention Claim(s) Detailed Description of the Drawings (if filed) Detailed Description Claim(s) Abstract of the Disclosure A Drawing(s) (35 U.S.C. 113) [Total Sheets 2] Drawing(s) (35 U.S.C. 113) [Total Sheets 2] A Newly executed (original or copy) A Newly executed (original or copy) Description of the Drawing (if Filed) Description or prior application (if Population of Copy from a prior application (if Population of Copy from a prior application (if Population of Invention | | | | i. CD-ROM or CD-R (2 copies); or | | | | |
| Brief Summary of the Invention Brief Description of the Drawings (if filed) Detailed Description Detailed Description Obstract of the Disclosure Abstract of the Disclosure Abstract of the Disclosure Abstract of the Disclosure Accompanying Application Description Obstract of the Disclosure Accompanying Application Obstract of the Disclosure Accompanying Application Obstract of the Disclosure Obstract of the Obstract of th | or a computer p | program listing appendix | | Frank and | | | | |
| - Brief Description of the Drawings (if filled) - Detailed Description - Claim(s) - Abstract of the Disclosure - Total Sheets - Derawing(s) (35 U.S.C. 113) | | | | | | | | |
| - Claim(s) - Abstract of the Disclosure - Copy from a prior application (37 CFR 1.63 (d)) - Copy from a prior application (37 CFR 1.63 (d)) - DELETION OF INVENTOR(S) - Signed statement attached deleting inventor(s) - named in the prior application, see 37 CFR - 1.83 (d)(2) and 1.33(b) Application Data Sheet. See 37 CFR 1.76 - Application Data Sheet under 37 CFR 1.76: - Ordinavation - Divisional - Continuation Data Sheet under 37 CFR 1.76: - Continuation - Divisional - Continuation Data Sheet under 37 CFR 1.76: - Continuation - Divisional - Con | | | 17 | | | | | |
| Attorney Application Data Sheet See 37 CFR 1.76 B. If a CONTINUTING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76.10 B. If a CONTINUTING DEINSIONAL APPS only: The entire disclosure of the prior application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. Application Data Sheet Code Label Customer Number or Bar Code Label Name (PrintlType) Peter G. Dilworth, Esq. Name (PrintlType) Peter G. Dilworth, Esq. New yexecuted (original or copy) 11. | - Claim(s) | • | V | 37 CFR | · - | | - Danner of | |
| Sociation Copies of IDS Copies of IDS Statement (IDS)PTO-1449 Copies of IDS Copies | - Abstract of the Disclosure | | ¬ ¹¹ | 140 | | | | |
| 12. Statement (IDS)/PTC-1449 Citations | 4. Drawing(s) (35 U | I.S.C. 113) [Total Sheets 2 | _] | | | <u> </u> | ''' | |
| b. Copy from a prior application (37 CFR 1.63 (d)) b. (for continuation/divisional with Box 18 completed) i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63 (d)(2) and 1.33(b). Application Data Sheet. See 37 CFR 1.76 B. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIF) of prior application No: 09 / 610,026 Prior application DR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Sex Sb, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS Or Correspondence address below | 5. Oath or Declaration | [Total Pages 6 |]] 1: | | | | | |
| b. (for continuationIdivisional with Box 18 completed) i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. Application Data Sheet. See 37 CFR 1.76 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application pata Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIP) of prior application No. 09 , 610,026 | | | 13 | _ | | | | |
| Application Data Sheet. See 37 CFR 1.76 Application Data Sheet. See 37 CFR 1.76 Application Data Sheet. See 37 CFR 1.76 B. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation: Examiner KOH, C. Group Art Unit. 3738 For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS Customer Number or Bar Code Label DILWORTH & BARRESE, LLP 333 Earle Ovington Blvd. City Uniondale State New York Zip Code 11553 Registration No. (Attorney/Agent) 26.450 Name (Print/Type) Peter G. Dilworth, Esq. Registration No. (Attorney/Agent) 26.450 | | | | | , | | | |
| named in the pror application, see 37 CFR 1.63(d)(2) and 1.33(b). Application Data Sheet. See 37 CFR 1.76 17. Other: CHECK FOR \$ 776,00 | | | 1: | 15. Certified Copy of Priority Document(s) (if foreign priority is claimed) | | | | |
| Application Data Sheet. See 37 CFR 1.76 Application Data Sheet. See 37 CFR 1.76 Application Data Sheet under 37 CFR 1.76: Continuation Data Sheet under 37 Sheet und | named in the prior application, see 37 CFR | | 1 | (b)(2)(B)(i). Applicant must attach form PTO/SB/35 | | | | |
| To in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIP) of prior application No.: 09 / 610,026 Prior application information: Examiner KOH, C. Group Art Unit. 3738 For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS Customer Number or Bar Code Label (Institution of Altoch har code label Institution of Altoch har code label here) Name Peter G. Dilworth, Esq. DILWORTH & BARRESE, LLP Address 333 Earle Ovington Blvd. City Uniondale State New York Zip Code 11553 Country U.S.A Telephone (516) 228-8484 Fax (516) 228-8516 | 6. Application Data Sheet. See 37 CFR 1.76 | | 1 | | | | | |
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| Prior application information: Examiner KOH, C. Group Art Unit. 3738 For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS Customer Number or Bar Code Label (Insert Gustomer No. of Attach bar code label here) Name Peter G. Dilworth, Esq. DILWORTH & BARRESE, LLP 333 Earle Ovington Blvd. City Uniondale State New York Zip Code 11553 Country U.S.A Telephone (516) 228-8484 Fax (516) 228-8516 | | | (CIP) | of prior application | No.: 09 | , 610,026 | | |
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| 19. CORRESPONDENCE ADDRESS Customer Number or Bar Code Label (Insert Customer No. or Allech bar code label hero) Name Peter G. Dilworth, Esq. DILWORTH & BARRESE, LLP 333 Earle Ovington Blvd. City Uniondale State New York Zip Code 11553 Country U.S.A Telephone (516) 228-8484 Fax (516) 228-8516 Name (Print/Type) Peter G. Dilworth, Esq. Registration No. (Attorney/Agent) 26.450 | For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. | | | | | | | |
| Customer Number or Bar Code Label Correspondence address below | | | | | | | | |
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| Address 333 Earle Ovington Blvd. City Uniondale State New York Zip Code 11553 Country U.S.A Telephone (516) 228-8484 Fax (516) 228-8516 Name (Print/Type) Peter G. Dilworth, Esq. Registration No. (Attorney/Agent) 26.450 | Name Peter G. Dilworth, Esq. | | | | | | | |
| Address 333 Earle Ovington Blvd. City Uniondale State New York Zip Code 11553 Country U.S.A Telephone (516) 228-8484 Fax (516) 228-8516 Name (Print/Type) Peter G. Dilworth, Esq. Registration No. (Attorney/Agent) 26.450 | - | | | | | | | |
| Country U.S.A Telephone (516) 228-8484 Fax (516) 228-8516 Name (Print/Type) Peter G. Dilworth, Esq. Registration No. (Attorney/Agent) 26.450 | Address | | | | | | | |
| Name (Print/Type) Peter G. Dilworth, Esq. Registration No. (Attorney/Agent) 26.450 | City | Uniondale | State | New York | | Zip Code | 11553 | |
| | Country | U.S.A | Telephone | (516) 228-8 | 3484 | Fax | (516) 228-8516 | |
| to the little the | Name (Print/Type) | ame (Print/Type) Peter G. Dilworth, Esq. Registration No. (Attorney/Agent) 26.450 | | | | | 50 | |
| Signature Date Oct. 9, 2001 | 9, 2001 | | | | | | | |

I hereby certify that this correspondence and the documents referred to as enclosed are being deposited with the United States Postal Service on date below in an envelope as "Express Mail Post Office to Addressee" Mail Label Number EL913582794US_ addressed to: Assistant Commissioner for Patents, Box Patent Application, Washington, D.C. 20231.

Dated: Oct. 9, 2001



PATENT

Atty. Docket No. 285-118 DIV

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner of Patent Washington, D.C. 20231

UTILITY APPLICATION FEE TRANSMITTAL

| Sir: |
|---|
| Transmitted herewith for filing is the patent application of |
| Inventor(s): Todd M. Boyce, David Kaes and Nelson Scarborough |
| For: OSTEOGENIC IMPLANTS DERIVED FROM BONE |
| This application is a: |
| [] Continuation |
| [] Continuation-In-Part (CIP) |
| [x] Divisional |
| of co-pending U.S. Application Serial No. 09/610,026 filed on July 3, 2000. |
| CERTIFICATION UNDER 37 C.F.R. § 1.10 |
| I hereby certify that this New Application Transmittal and the documents referred to as enclosed therein are being deposited with the United States Postal Service on this date October 9, 2001 in an envelope as "Express Mail Post Office to Addressee" Mail Label Number EL913582794US addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231. Jaksha C. Tomic |

| Enclosed are: | | | | |
|--|--|--|--|--|
| [x] 40 page(s) of specification | | | | |
| [x] page(s) of Abstract (Cover Page of WO98/50044) | | | | |
| [x]5 page(s) of claims | | | | |
| $[x]$ _ 2 sheets of drawings $[x]$ formal $[]$ informal | | | | |
| [x] 6 page(s) of Declaration and Power of Attorney | | | | |
| [x] An Assignment of the invention to OSTEOTECH, INC. | | | | |
| [] Certified copy of applications | | | | |
| Country Appln. No. Filed | | | | |
| | | | | |
| from which priority under Title 35 United States Code, § 119 | | | | |
| is claimed. | | | | |
| | | | | |
| Additional papers enclosed: | | | | |
| [X] Preliminary Amendment | | | | |
| [] Information Disclosure Statement | | | | |
| [] Form PTO-1449 | | | | |
| [] Other: | | | | |
| CALCULATION OF UTILITY APPLICATION FEE* | | | | |
| Number Number Basic Fee | | | | |
| For Filed Extra Rate \$ 740.00 Total | | | | |
| Claims** 22 $-20 = 2$ x \$ 18.00 \$ 36.00 | | | | |
| Independent Claims $1 -3 = 0 \times \$84.00 \div .00$ | | | | |
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| Dependent | | | | |
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^{*} Based upon accompanying Preliminary Amendment
**Includes all independent and single dependent claims and all claims referred to in multiple claims.

- [] Verified Statement of "Small Entity" Status Under 37 C.F.R. § 1.27. Reduced fees under 37 C.F.R. § 1.9(f) (50% of total) paid herewith § _____.
- [] The amount of \$40.00 for recording the attached Assignment is included in the enclosed check.
- [x] A check in the amount of \$776.00 to cover the [] recording, [X] filing fee(s) is attached.
- [] Charge fee to Deposit Account No. 04-1121. Order No. TWO (2) COPIES OF THIS SHEET ARE ENCLOSED.
- [X] Please charge any deficiency as well as any other fee(s) which may become due under 37 C.F.R. § 1.16 and 1.17, at any time during the pendency of this application, or credit any overpayment of such fee(s) to Deposit Account No. 04-1121.

Also, in the event any extensions of time for responding are required for the pending application(s), please treat this paper as a petition to extend the time as required and charge Deposit Account No. $\underline{04-1121}$ therefor. TWO (2) COPIES OF THIS SHEET ARE ENCLOSED.

Relate back-35 U.S.C. §120

[x] Amend the specification by inserting before the first line the sentence:

"This is a [] continuation [] continuation-in-part [x] divisional of copending application Serial No.

09/610,026 filed July 3, 2000.

Date: October 9, 2001

Peter Dilworth

Reg. No. 26,450

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